

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

Claim 1 (previously presented) A method of suppressing interference in a radar device, comprising the steps of:

- transmitting signals with a carrier frequency;
- transmitting the signals as pulsed signals with a pulse repetition frequency;
- varying the pulse repetition frequency during operation of the radar device, wherein the pulse repetition frequency is varied chaotically in the pulse repetition frequency varying step; and
- varying the carrier frequency during operation of the radar device.

Claim 2 (canceled).

Claim 3 (canceled).

Claim 4 (canceled).

Claim 5 (previously presented) The method according to claim 1, wherein the carrier frequency is varied in the carrier frequency varying step by phase modulation.

Claim 6 (previously presented) The method according to claim 1, wherein the carrier frequency is varied in the carrier frequency varying step by frequency modulation.

Claim 7 (original) The method according to claim 1, further comprising the steps of:

- varying the carrier frequency by frequency modulation;
- producing a virtual intermediate frequency by mixing a received signal with the modulated carrier frequency; and
- analyzing a received signal at the virtual intermediate frequency.

Claim 8 (previously presented) The method according to claim 1, wherein the carrier frequency is varied in the carrier frequency varying step by a sudden frequency change method.

Claim 9 (canceled).

Claim 10 (canceled).

Claim 11 (canceled).

Claim 12 (canceled).

Claim 13 (canceled).

Claim 14 (canceled).

Claim 15 (canceled).

Claim 16 (canceled).

Claim 17 (previously presented) A radar device comprising:

- a first arrangement configured to transmit signals with a carrier frequency;

- a second arrangement configured to pulse the signals with a pulse repetition frequency;

- a third arrangement configured to vary the pulse repetition frequency during operation of the radar device, wherein the third arrangement is configured to vary the pulse repetition frequency chaotically; and

- a fourth arrangement configured to vary the carrier frequency during operation of the radar device.

Claim 18 (canceled).

Claim 19 (canceled).

Claim 20 (canceled).

Claim 21 (previously presented) The radar device according to claim 17, wherein the fourth arrangement is configured to vary the carrier frequency by phase modulation.

Claim 22 (previously presented) The radar device according to claim 17, wherein the fourth arrangement is configured to vary the carrier frequency by frequency modulation, the radar device further comprising:

a fifth arrangement configured to create a virtual intermediate frequency by mixing a received signal with the modulated carrier frequency; and

a sixth arrangement configured to analyze the received signal at the virtual intermediate frequency.

Claim 23 (previously presented) The radar device according to claim 17, wherein the fourth arrangement is configured to vary the carrier frequency by a sudden frequency change method.

Claim 24 (canceled).

Claim 25 (canceled).

Claim 26 (canceled).

Claim 27 (canceled).

Claim 28 (canceled).

Claim 29 (canceled).

Claim 30 (canceled).